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HIGH LEVEL ORDER PICKER MHA10



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HIGH LEVEL ORDER PICKER

MHA high level order picker is mainly used for picking materials on warehouse shelves. It is suitable for picking materials on high shelves. It provides comprehensive support for picking operations of food warehouses, logistics centers, wholesalers and other distribution points.



01 SAFE AND EFFICIENT



The position of the steering wheel is displayed clearly, which is convenient for the operator to control and operate.

The auxiliary lifting function is standard configuration, which can avoid the operator to squat, reduce the work intensity and improve the efficiency during the picking operation.



With the position detection guardrail, the guardrail is in the protection state, and the driver's standing position is correct (touch the pedal switch), then the high-level lifting and driving operation can be carried out to ensure the safety of personnel.

Turn speed limit function and high lift speed limit function greatly improve the work safety.



Max lifting height 6000mm

02 MORE COMFORTABLE

Integrated protection operation mode;

Driving position with backrest for driving more comfortable;

Wide view of the shelf can obviously improve driving comfort;

Spacious operation space and braking area, with high-quality floor mats, ensure that the staff have enough space to change the foot position comfortably.



PRODUCTION = SAFETY + COMFORT



Turning Speed Limit



Electromagnetic Brake

QUALITY = PERFORMANCE + CONVENIENCE



03

RELIABLE PERFORMANCE

Lifting system adopt proportion control which makes stop and start smoothly without shake;

AC drive system has good regenerative braking function;

CAN bus control, high reliability; Super rigidity chassis, ensure the structure reliability;

Advanced electric steering system, lower energy consumption, and lower noisy.



04

CONVENIENT MAINTENANCE

Maintenance-free AC drive motor;

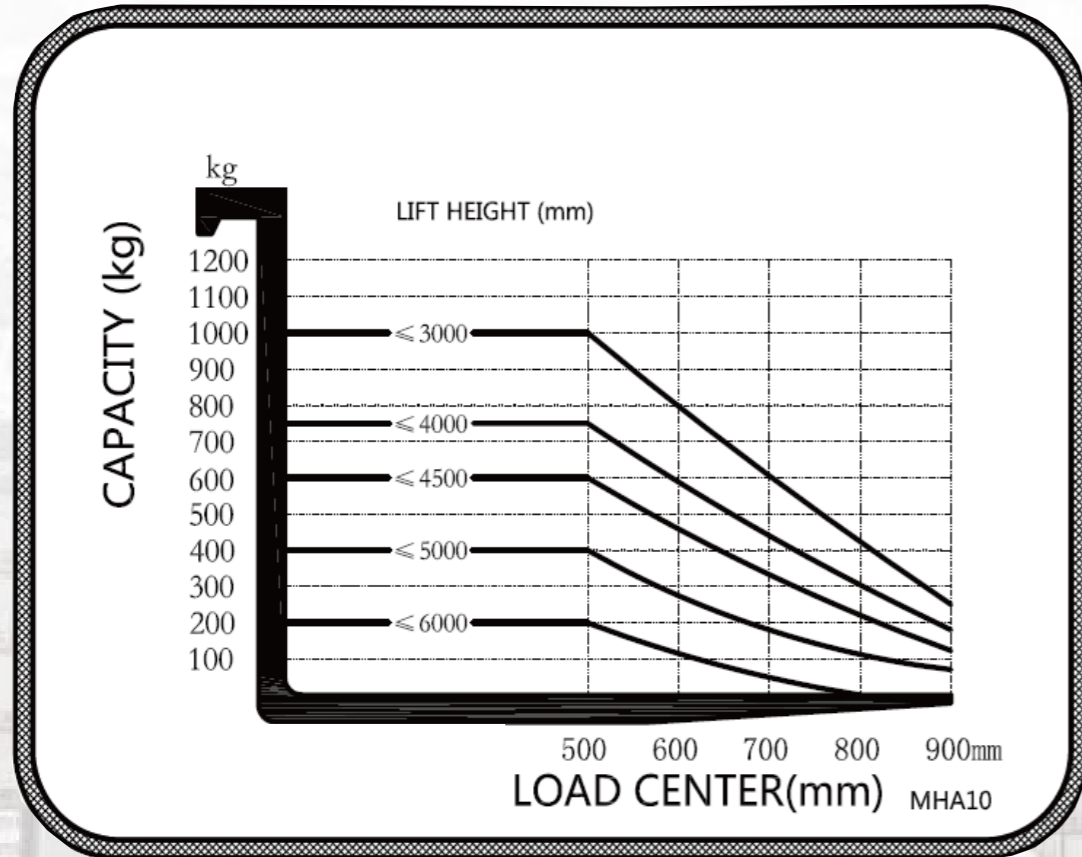
The machine body is easy to assemble and disassemble, and the main parts can be inspected, maintained and replaced;

The battery cover can be turned and opened, which is very convenient for battery maintenance;

The vertical motor makes the inspection and maintenance of drive motor,brake etc more convenient, and the maintenance performance is much better than horizontal motor.



LOAD CHART



MAST SPECIFICATION

Duplex Mast						
Model	MHA	10-30	10-35	10-40	10-45	
Lift height	h3	2760	3260	3760	4260	
Total lift height	h24(h3+h9)	3460	3960	4460	4960	
Fork lift height	h25(h3+h9+h13)	3530	4030	4530	5030	
Auxiliary lift height	h9	700	700	700	700	
Platform lift height	h12(h3+h7)	3000	3500	4000	4500	
Picking height	h28(h12+1600)	4600	5100	5600	6100	
Mast closed height	h1	2300	2550	2850	3100	
Max. mast extended height	h4	5010	5510	6060	6610	

Triplex Mast						
Model	MHA	10-40	10-45	10-50	10-55	10-60
Lift height	h3	3760	4260	4760	5260	5760
Total lift height	h24(h3+h9)	4460	4960	5460	5960	6460
Fork lift height	h25(h3+h9+h13)	4530	5030	5530	6030	6530
Auxiliary lift height	h9	700	700	700	700	700
Platform lift height	h12(h3+h7)	4000	4500	5000	5500	6000
Picking height	h28(h12+1600)	5600	6100	6600	7100	7600
Mast closed height	h1	2149	2316	2482	2649	2815
Max. mast extended height	h4	5955	6455	6955	7455	7955



Standard				
1.1	Brand		MiMA	MiMA
1.2	Model		MHA 1030	MHA 1060
1.3	Power type		Battery	Battery
1.4	Operation type		Stand on	Stand on
1.5	Rated capacity	Q (kg)	1000	1000
1.6	Load center	C (mm)	500	500
1.7	Front overhang	x (mm)	148	160
1.8	Wheelbase	y (mm)	1410	1410
Weight				
2.1	Service weight (incl. battery)	kg	2490	2830
2.2	Axle capacity with full load, drive side/load side	kg	940/2550	1130/2700
2.3	Axle capacity with no load, drive side/load side	kg	1410/1080	1610/1220
Wheel				
3.1	Wheel type		PU	PU
3.2	Load wheel	mm	φ 150 × 90	φ 150 × 90
3.3	Drive wheel	mm	φ 254 × 100	φ 254 × 100
3.4	Number of wheels, front/rear(x=drive wheel)		4/1X	4/1X
3.5	Wheel tread, load side	b11(mm)	1008	1008
Size				
4.1	Mast closed height	h1(mm)	2300	2815
4.2	Lift height	h3(mm)	2760	5760
4.3	Max. lift height of fork	h25(mm)	3530	6530
4.4	Mast extended height with load-backrest	h4(mm)	5010	7955
4.5	Overhead guard height	h6(mm)	2250	2250
4.6	Platform min. ground clearance	h7(mm)	260	260
4.7	Auxiliary lift height	h9(mm)	700	700
4.8	Platform max. ground clearance	h12(mm)	3000	6000
4.9	Picking height (h12+1600 mm)	h28(mm)	4600	7600
4.1	Fork face min. ground clearance	h13(mm)	70	70
4.11	Overall length	l1(mm)	2825	2835
4.12	Length to fork face	l2(mm)	1755	1765
4.13	Overall width	b1/b2(mm)	1150	1150
4.14	Fork size	l/e/s(mm)	1070/100/40	1070/100/40
4.15	Fork outside width	b5(mm)	700	700
4.16	Mast ground clearance	m1(mm)	50	50
4.17	Body ground clearance	m2(mm)	50	50
4.18	Aisle width for pallet 1000*1200mm	Ast(mm)	3120	3130
4.19	Aisle width for pallet 800*1200mm	Ast(mm)	3230	3245
4.20	Turning radius	Wa(mm)	1625	1625
Performance				
5.1	Driving speed (load/unload)	km/h	6/6.3	6/6.3
5.2	Lifting speed (load/unload)	mm/s	115/140	115/140
5.3	Lowering speed (load/unload)	mm/s	135/140	135/140
5.4	Acceleration time(0-10m) (load/unload)	s	/	/
5.5	Brake type		Electromagnetic	Electromagnetic
Drive				
6.1	Driving motor(S2-60min)	kw	2.5	2.5
6.2	Lifting motor(S3-15%)	kw	3	3
6.3	Battery voltage/capacity	V/Ah	24/400	24/400
6.4	Battery weight	kg	350	350
Other				
7.1	Drive motor type		AC	AC
7.2	Steering system		EPS	EPS

The standard model data will vary according to the configuration

